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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:
Richard H. PETERS et al.

Serial No.: 09/780,990

Group Art Unit: 1614

Filing Date: February 9, 2001

Examiner: Unassigned

Title: SYNTHESIS OF ANTI-ESTROGENIC AND OTHER THERAPEUTIC STEROIDS
FROM 21-HYDROXY-19-NORPREGNA-4-EN-3-ONE

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT AND
CERTIFICATION UNDER 37 CFR § 1.97(e)

Commissioner for Patents
Washington, DC 20231

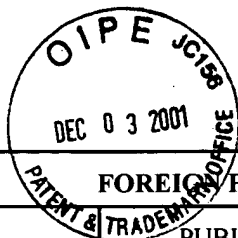
Sir:

This is a Supplemental Information Disclosure Statement submitted for the Examiner's consideration. Applicants respectfully request that the Examiner review and make of record the references identified below.

The cited references were cited in an International (PCT) Search Report dated October 5, 2001, in a PCT application corresponding to the present U.S. patent application. A copy of the Search Report, including an indication of the purported relevance of the cited documents, is enclosed. Copies of the references are also submitted herewith.

PTO-1449 forms listing the references accompany this paper. Applicants would appreciate the Examiner's initialing and returning the forms to indicate that the references have been reviewed and made of record. The references are as follows:

U.S. PATENT DOCUMENT		
PATENT NO.	ISSUE DATE	PATENTEE
2,883,402	4/21/59	Magerlein et al.



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Serial No. 08/780,990

FOREIGN PATENT DOCUMENTS		
DOCUMENT NO.	PUBLICATION DATE	COUNTRY
EP 0007515	2/6/80	Europe
FR 2332759	6/24/97	France
JP 43021058	5/30/65	Japan
WO 99/33859	7/8/99	PCT

OTHER DOCUMENTS
Annen et al. (1978), "Eine Neuartige Einfache Dreiring-Synthese," <i>Chem. Ber.</i> <u>111</u> (9):3094-3104.
Kaneko et al. (1969), "Carbalkoxymethylene Steroids," <i>Chemical Abstracts</i> <u>70</u> (19), Abstract No. 88104r.
Magerlein et al. (1958), "Preparation and Reactions of 11-Substituted 1,3,5(10)-Estratrienes. I. 11-Oxygenated Estrones and Estradiols," <i>Journal of the American Chemical Society</i> <u>80</u> :2220-2225.
Pasman et al. (1982), "Photoinduced Long-Range Electron Transfer in Rigid Bichromophoric Molecules," <i>Journal of the Royal Netherlands Chemical Society</i> <u>101</u> (10):363-364.
Sandoval et al. (1955), "Steroids. LCI. Synthesis of 19-Nor-Desoxycorticosterone, a Potent Mineralocorticoid Hormone," <i>Journal of the American Chemical Society</i> <u>77</u> :148-151.
Sih et al. (1968), "Mechanisms of Steroid Oxidation by Microorganisms. XIII. C22 Acid Intermediates in the Degradation of the Cholesterol Side Chain," <i>Biochemistry</i> <u>7</u> (2):796-807.
Tedesco et al. (1997), "An Expeditious Route to 7 α -Substituted Estradiol Derivatives," <i>Tetrahedron Letters</i> <u>38</u> (46):7997-8000.
Wicha et al. (1977), "Synthesis of Pregn-17/20/-en-21-oic Acid Derivatives. The Wittig-Horner Reaction on Steroidal 17-Ketones," <i>Synthetic Communications</i> <u>7</u> (3):215-222.

This Supplemental Information Disclosure Statement is not intended as a representation that additional information material to the examination of this application does not exist or that any of the above references constitutes prior art to the present application within the meaning of 35 USC § 102.

As this Supplemental Information Disclosure Statement is being filed within three months of the date of the International Search Report (i.e, October 5, 2001), no fee is required at this time. If, for any reason, a fee is found to be necessary, our Deposit Account No. 18-0580 may be charged therefor.

The undersigned hereby certifies that each item of information contained in the Information Disclosure Statement filed herewith was cited in a communication from a foreign

patent office in a counterpart foreign application not more than three months prior to the filing of this Statement (37 CFR § 1.97(e)(1)).

The person making this certification is the practitioner who signs below on the basis of the information in the practitioner's file.

Respectfully submitted,

11/16/01
Date

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